Amendments to the Claims:

Listing of Claims

- (CURRENTLY AMENDED) An actuation system for assisting the operation of the natural heart, the actuation system comprising:
 - a framework for interfacing with a natural heart;

an actuator system coupled to the framework and configured to engage an exterior surface of the heart, the actuator system comprising:

an actuator band extending along a portion of a heart wall exterior surface, the actuator band selectively movable between an actuated state and a relaxed state and operable, when in the actuated state, to assume a predetermined shape and thereby indent a portion of the heart wall to effect a reduction in the volume of the heart; and

- a <u>plurality of curvature limiting devices coupled to the actuator band and operable for limiting the curvature that the actuator band imposes on the indented portion of the heart wall.</u>
- 2. (CURRENTLY AMENDED) The activation actuation system of claim 1, further comprising a drive apparatus coupled to the actuator band and operable for selectively moving the actuator band between the relaxed and actuated states to achieve the desired assistance of the natural heart.

- 3. (CURRENTLY AMENDED) The actuation system of claim 1, wherein the actuator band is configured to extend along a portion of the left ventricle heart wall, and the band, in the actuated state indenting is configured to indent the wall and effecting effect a reduction of the volume of the left ventricle.
- 4. (ORIGINAL) The actuation system of claim 1, wherein said actuator band includes a plurality of juxtaposed elements, the elements configured to be drawn together in the actuated state and to cooperate with each other, when drawn together, to assume the predetermined shape.
- 5. (CURRENTLY AMENDED) The actuation system of claim 4, wherein said elements are blocks coupled together by a cord, the cord operably coupled to be moved by the drive apparatus in the actuated state to draw the blocks together and form said predetermined shape.
- 6. (ORIGINAL) The actuation system of claim 5, wherein said blocks have adjacent cooperating surfaces which are at least partially coextensive when the blocks are drawn together.
- 7. (CURRENTLY AMENDED) The actuation system of claim 1, wherein at least one end of the actuator band is fixed coupled to the external framework element.

- 8. (CURRENTLY AMENDED) The actuation system of claim 1 wherein said actuator band is coupled at an both ends to said external framework element.
- 9. (ORIGINAL) The actuation system of claim 5 further comprising a plurality of cords coupling the blocks together.
- 10. (CURRENTLY AMENDED) The actuation system of claim 5 wherein the cord extends through one of an aperture and a channel formed in the blocks to couple[[d]] the blocks together.
- 11. (CURRENTLY AMENDED) The actuation system of claim 1 wherein the curvature limiting device includes a curvature limiting band coupled between the actuator band and the external framework element.

12. CANCELLED

13. (ORIGINAL) The actuation system of claim 1 wherein said curvature limiting device is operable for limiting the curvature of the actuator band to a certain percentage of the natural curve of the portion of a heart wall exterior surface along which the actuator band extends.

- 14. (CURRENTLY AMENDED) The actuation system of claim 1 further comprising a plurality of actuator bands for indenting a portion of the heart wall.
- 15. (ORIGINAL) The actuation system of claim 1 wherein said actuator band comprises a plurality of articulated elements which move with respect to each other at joints.
- 16. (ORIGINAL) The actuation system of claim 1 wherein the actuator band, in the relaxed state, is operable to generally assume the natural curve of the heart wall surface along which the actuator band extends.
- 17. (CURRENTLY AMENDED) An actuation system for assisting the operation of the natural heart, the actuation system comprising:
 - a framework for interfacing with a natural heart;

an actuator system coupled to the framework and configured to engage an exterior surface of the heart, the actuator system comprising:

an actuator band extending along a portion of a heart wall exterior surface, the actuator band selectively movable between an actuated state and a relaxed state and operable, when in the actuated state, to assume a predetermined shape and thereby indent a portion of the heart wall to effect a reduction in the volume of the heart;

a plurality of curvature limiting devices coupled to the actuator band and

operable for limiting the curvature that the actuator band imposes on the indented portion of the heart wall; and

a paving element <u>coupled</u> <u>positioned</u> between the actuator band and the heart wall for providing smooth functioning of the band with the heart wall.

- 18. (CURRENTLY AMENDED) The actuation system of claim [[1]] <u>17</u> wherein the paving element is flexible.
- 19. (CURRENTLY AMENDED) The actuation system of claim 17 wherein the paving element includes a mesh.
- 20. (CURRENTLY AMENDED) The actuation system of claim 17 wherein the paving element includes a fabric.